

Data Path : S:\HPCHEM1\BNA_M\Data\BM061115\
 Data File : BM001647.D
 Acq On : 11 Jun 2015 15:49
 Operator : TP/IZ
 Sample : PB83811BL
 Misc : SBLK66
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SBLK66

Quant Time: Jun 11 16:23:34 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM01.2-EPA-SIM-BM061115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 11 07:52:35 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	1926	0.40	ng/ul	0.00
4) Naphthalene-d8	10.48	136	7089	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.34	164	3340	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.09	188	6675	0.40	ng/ul	0.00
18) Chrysene-d12	21.27	240	4440	0.40	ng/ul	0.00
22) Perylene-d12	23.52	264	3644	0.40	ng/ul	0.01

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.09	96	9	0.00	ng/uL	-0.02
6) 2-Methylnaphthalene-d10	12.08	152	3212	0.38	ng/ul	0.00
16) Fluoranthene-d10	19.12	212	5143	0.38	ng/ul	0.00

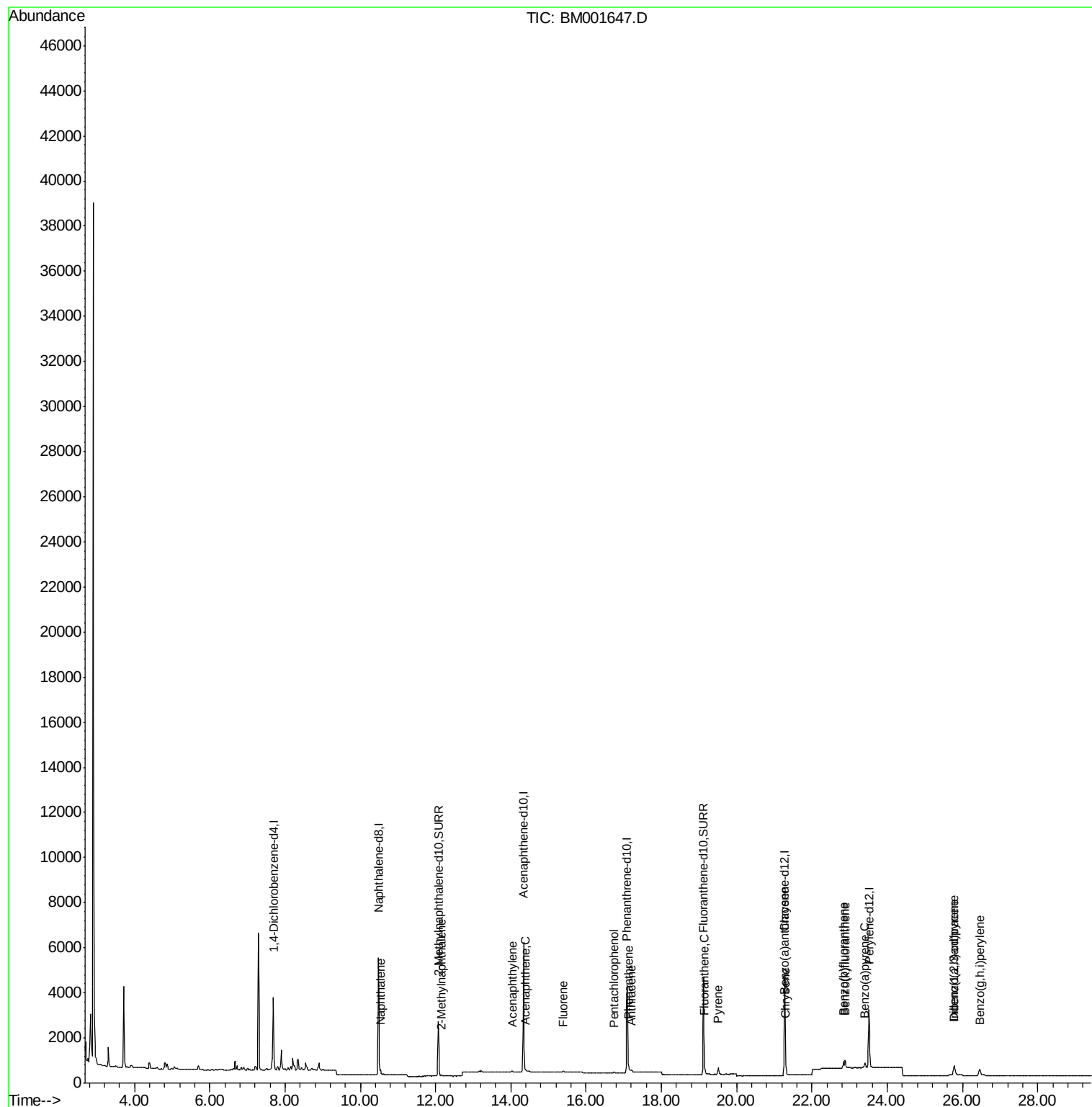
Target Compounds				Qvalue		
5) Naphthalene	10.53	128	157	0.01	ng/ul#	23
7) 2-Methylnaphthalene	12.15	142	54	0.00	ng/ul	97
9) Acenaphthylene	14.05	152	44	0.00	ng/ul#	1
10) Acenaphthene	14.39	153	36	0.00	ng/ul#	70
11) Fluorene	15.38	166	50	0.00	ng/ul#	81
13) Pentachlorophenol	16.73	266	20	0.02	ng/ul	85
14) Phenanthrene	17.12	178	91	0.00	ng/ul#	1
15) Anthracene	17.21	178	78	0.00	ng/ul#	1
17) Fluoranthene	19.14	202	368	0.02	ng/ul	61
19) Pyrene	19.51	202	318	0.02	ng/ul#	65
20) Benzo(a)anthracene	21.26	228	424	0.03	ng/ul#	79
21) Chrysene	21.31	228	439	0.03	ng/ul#	75
23) Benzo(b)fluoranthene	22.84	252	469	0.03	ng/ul#	35
24) Benzo(k)fluoranthene	22.88	252	517	0.04	ng/ul#	39
25) Benzo(a)pyrene	23.41	252	360	0.03	ng/ul#	17
26) Indeno(1,2,3-cd)pyrene	25.77	276	640	0.04	ng/ul	96
27) Dibenzo(a,h)anthracene	25.79	278	527	0.04	ng/ul#	54
28) Benzo(g,h,i)perylene	26.45	276	594	0.04	ng/ul#	67

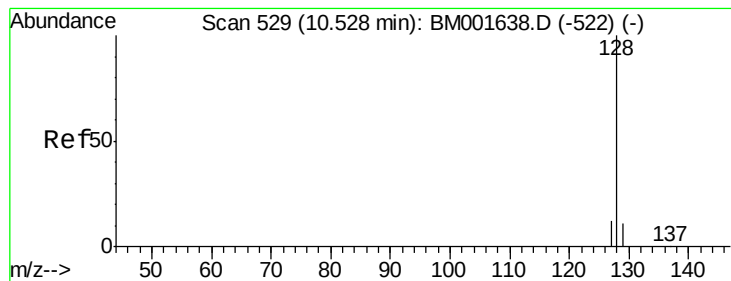
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.01 ng/ul

RT: 10.53 min Scan# 529

Delta R.T. -0.00 min

Lab File: BM001647.D

Acq: 11 Jun 2015 15:49

Instrument :

BNA_M

ClientSampleId :

SBLK66

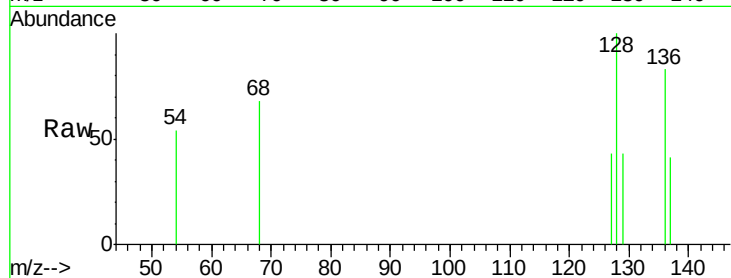
Tgt Ion:128 Resp: 157

Ion Ratio Lower Upper

128 100

129 43.5 9.8 14.8#

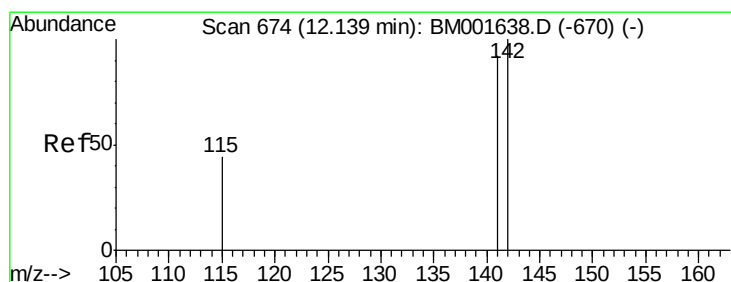
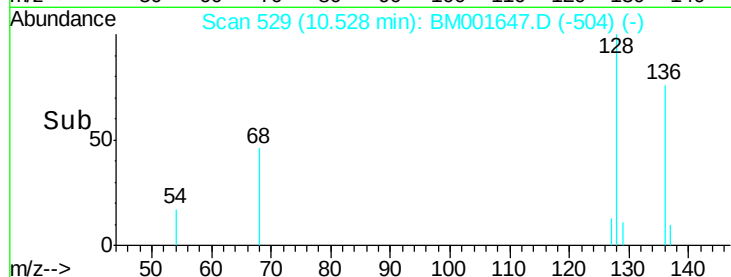
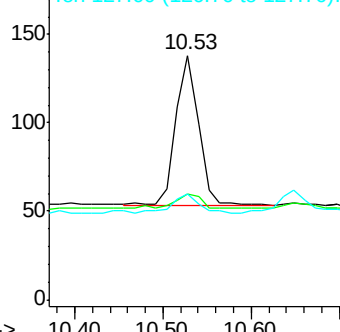
127 43.5 10.7 16.1#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 12.15 min Scan# 675

Delta R.T. 0.01 min

Lab File: BM001647.D

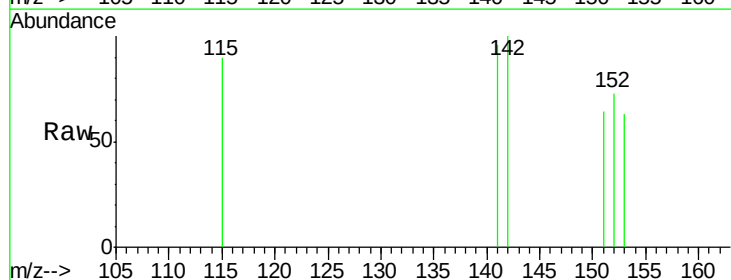
Acq: 11 Jun 2015 15:49

Tgt Ion:142 Resp: 54

Ion Ratio Lower Upper

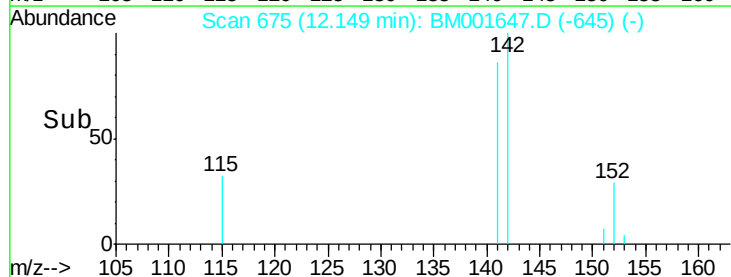
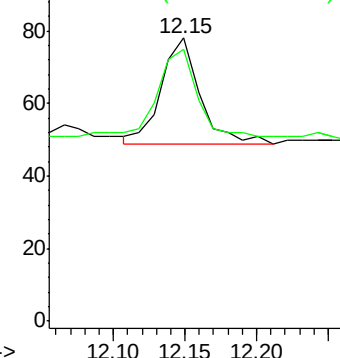
142 100

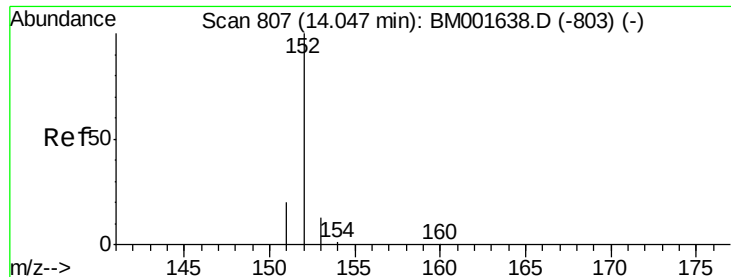
141 85.2 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.05 min Scan# 807

Delta R.T. -0.00 min

Lab File: BM001647.D

Acq: 11 Jun 2015 15:49

Instrument :

BNA_M

ClientSampleId :

SBLK66

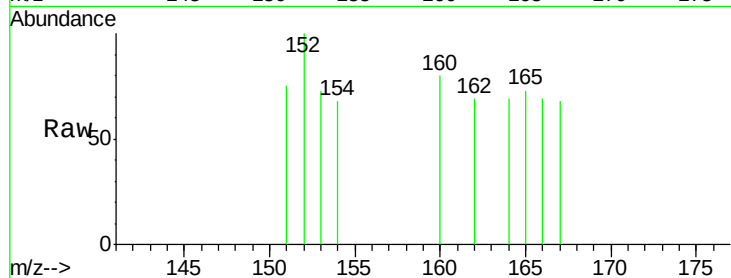
Tgt Ion:152 Resp: 44

Ion Ratio Lower Upper

152 100

151 74.6 16.8 25.2#

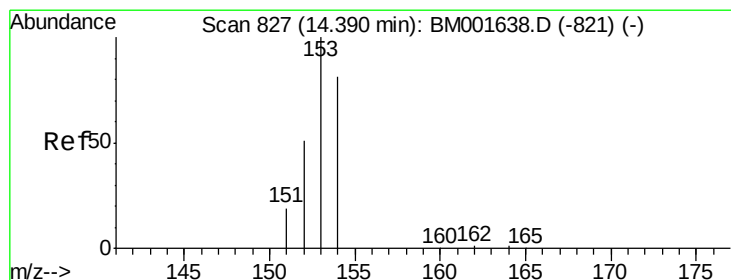
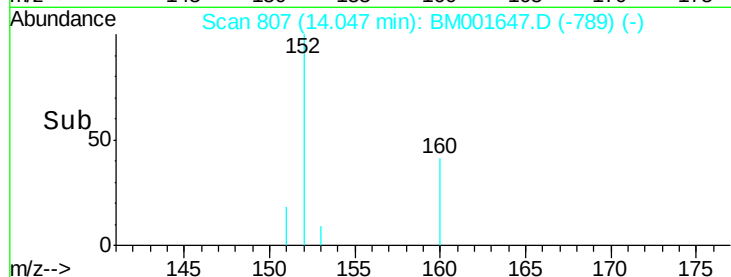
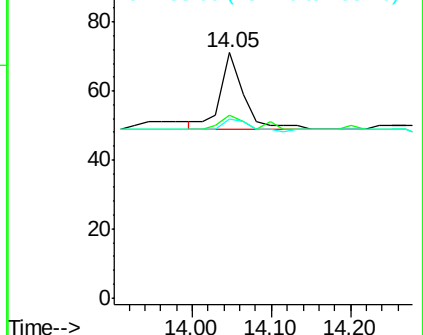
153 73.2 11.3 16.9#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.39 min Scan# 827

Delta R.T. -0.00 min

Lab File: BM001647.D

Acq: 11 Jun 2015 15:49

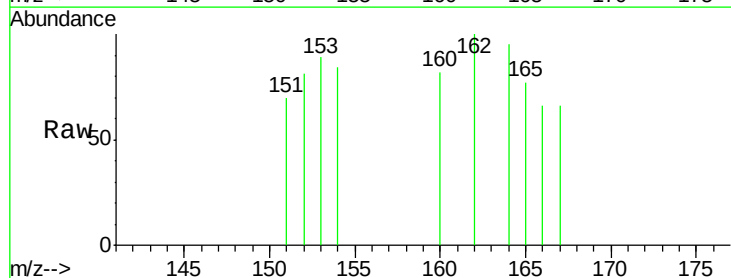
Tgt Ion:153 Resp: 36

Ion Ratio Lower Upper

153 100

152 90.9 42.3 63.5#

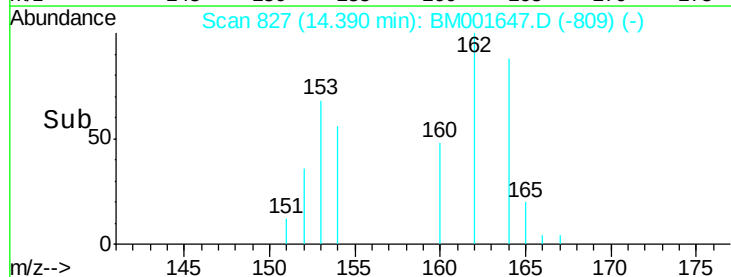
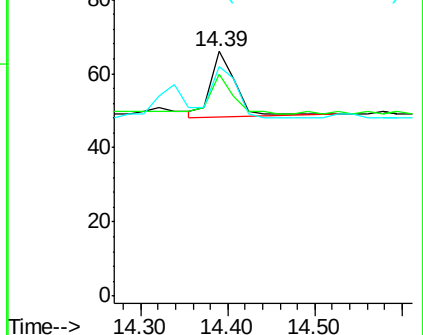
154 93.9 64.7 97.1

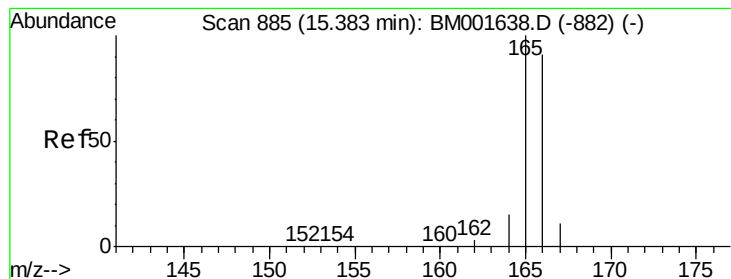


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 0.00 ng/ul

RT: 15.38 min Scan# 885

Delta R.T. -0.00 min

Lab File: BM001647.D

Acq: 11 Jun 2015 15:49

Instrument :

BNA_M

ClientSampleId :

SBLK66

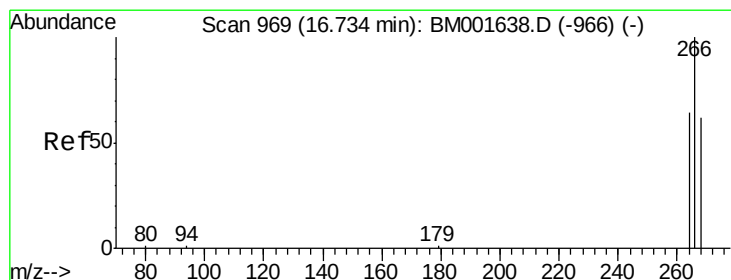
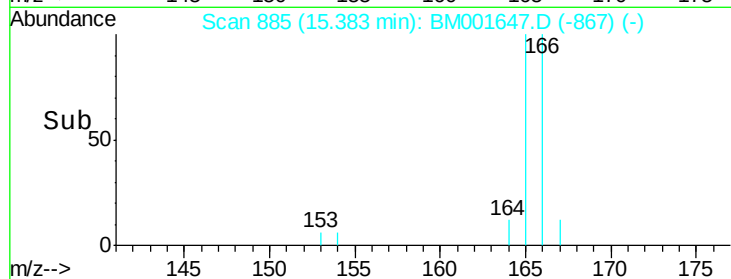
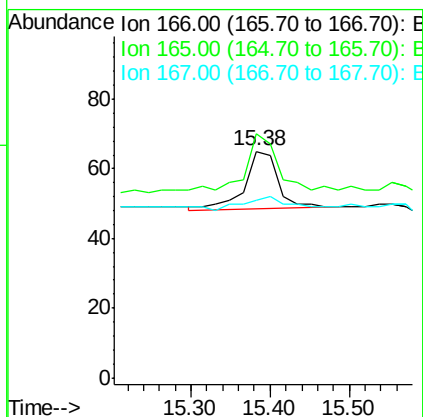
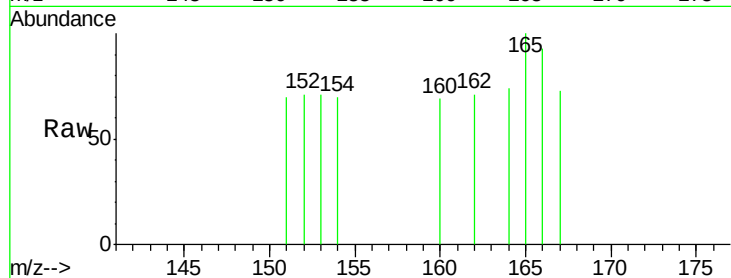
Tgt Ion:166 Resp: 50

Ion Ratio Lower Upper

166 100

165 107.7 87.6 131.4

167 78.5 11.1 16.7#



#13

Pentachlorophenol

Concen: 0.02 ng/ul

RT: 16.73 min Scan# 969

Delta R.T. -0.00 min

Lab File: BM001647.D

Acq: 11 Jun 2015 15:49

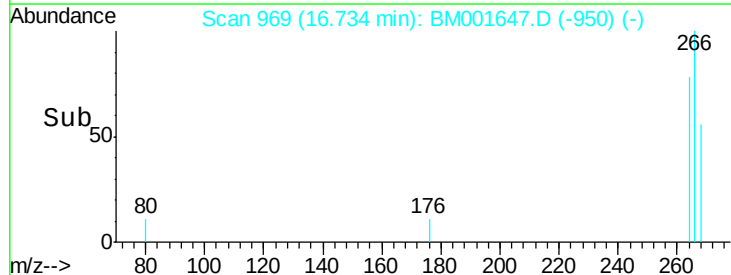
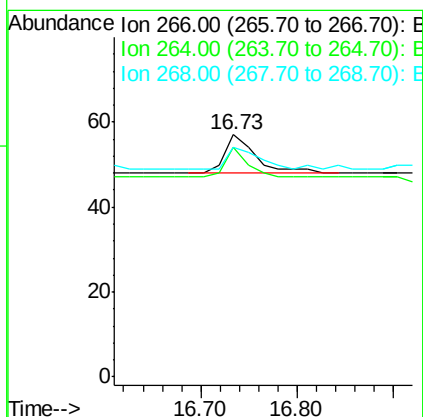
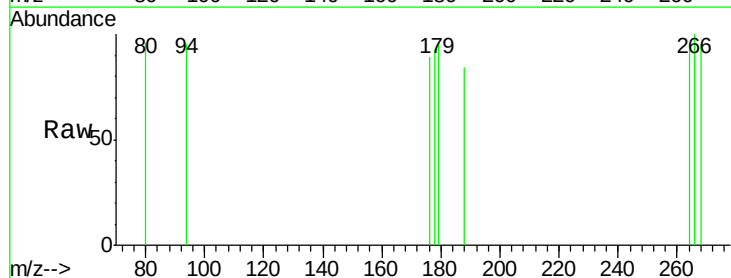
Tgt Ion:266 Resp: 20

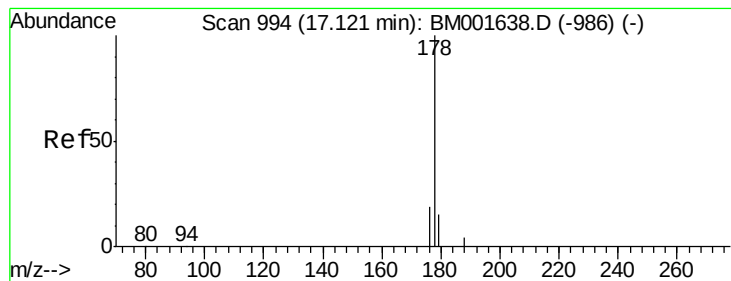
Ion Ratio Lower Upper

266 100

264 55.0 53.5 80.3

268 55.0 54.2 81.2





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.12 min Scan# 994

Delta R.T. -0.00 min

Lab File: BM001647.D

Acq: 11 Jun 2015 15:49

Instrument :

BNA_M

ClientSampleId :

SBLK66

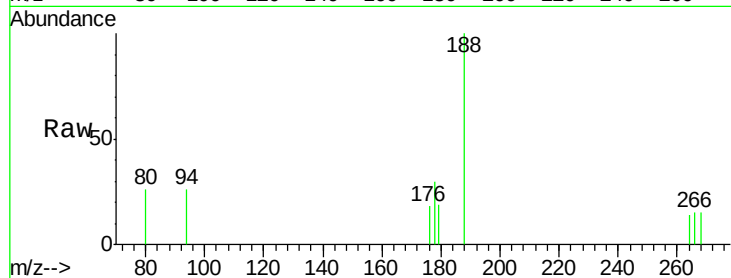
Tgt Ion:178 Resp: 91

Ion Ratio Lower Upper

178 100

176 61.2 16.2 24.4#

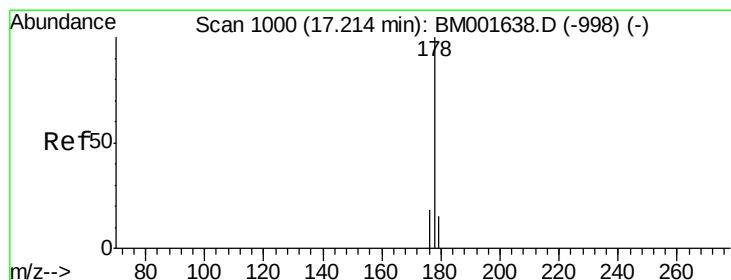
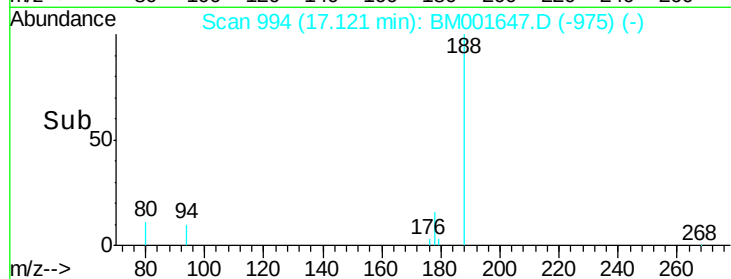
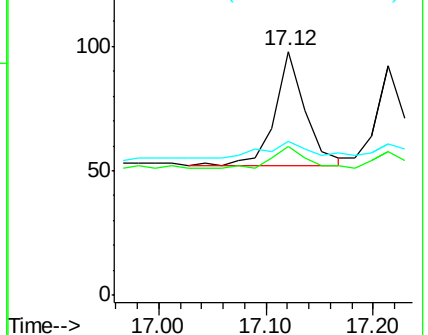
179 63.3 12.8 19.2#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#15

Anthracene

Concen: 0.00 ng/ul

RT: 17.21 min Scan# 1000

Delta R.T. -0.00 min

Lab File: BM001647.D

Acq: 11 Jun 2015 15:49

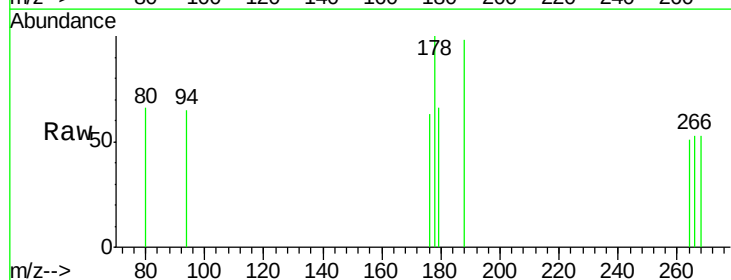
Tgt Ion:178 Resp: 78

Ion Ratio Lower Upper

178 100

176 63.0 15.8 23.8#

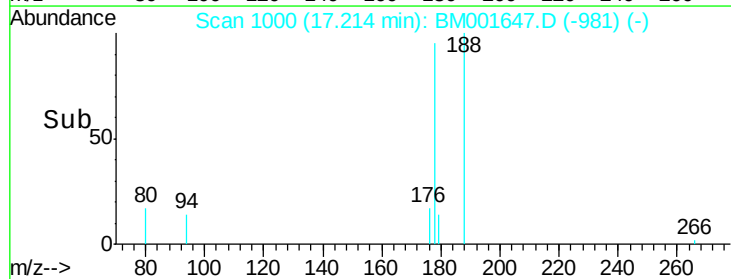
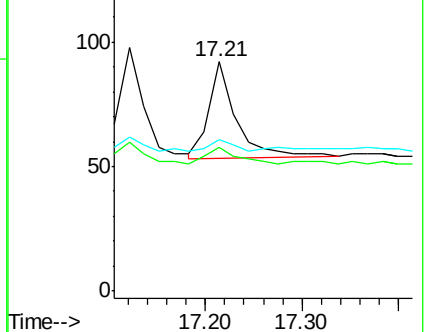
179 66.3 13.3 19.9#

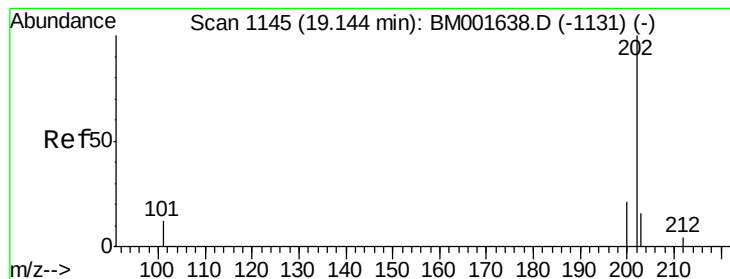


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 0.02 ng/ul

RT: 19.14 min Scan# 1145

Delta R.T. -0.00 min

Lab File: BM001647.D

Acq: 11 Jun 2015 15:49

Instrument :

BNA_M

ClientSampleId :

SBLK66

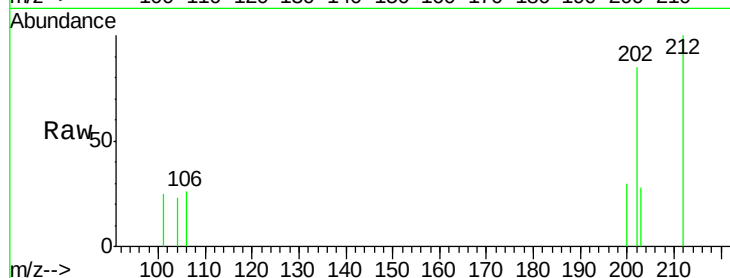
Tgt Ion:202 Resp: 368

Ion Ratio Lower Upper

202 100

101 29.9 0.0 33.1

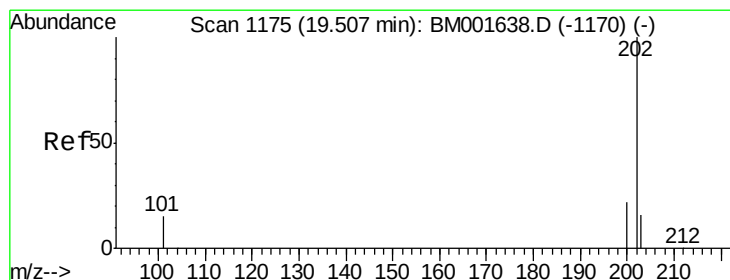
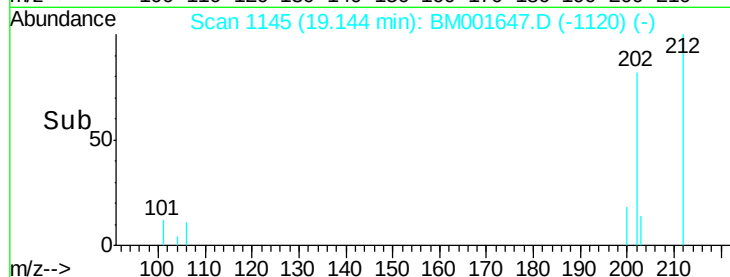
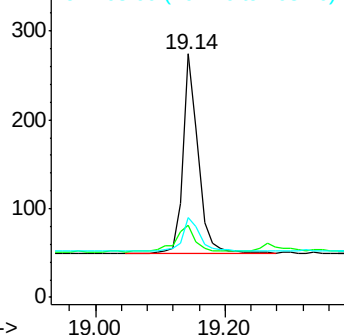
203 32.8 0.0 37.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#19

Pyrene

Concen: 0.02 ng/ul

RT: 19.51 min Scan# 1175

Delta R.T. -0.00 min

Lab File: BM001647.D

Acq: 11 Jun 2015 15:49

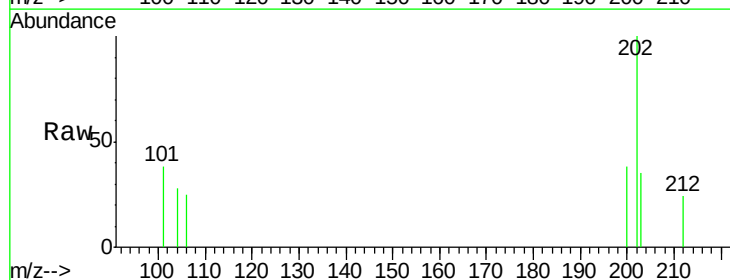
Tgt Ion:202 Resp: 318

Ion Ratio Lower Upper

202 100

200 37.9 18.0 27.0#

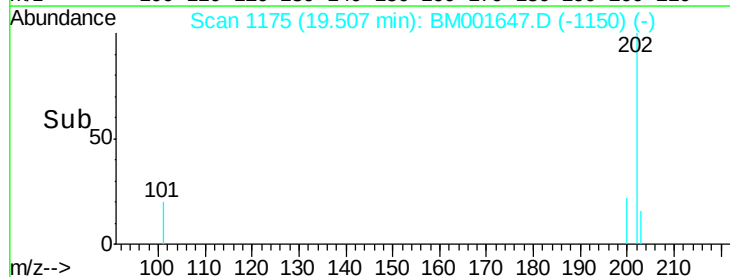
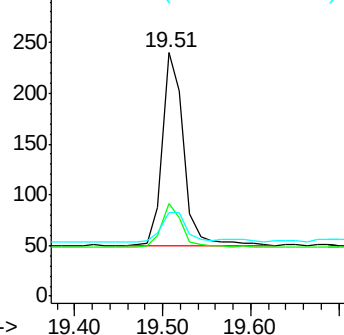
203 34.6 13.8 20.6#

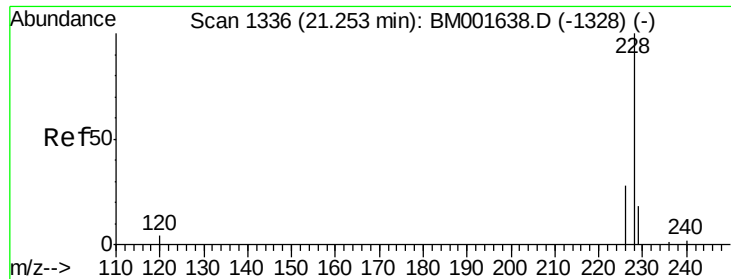


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.03 ng/ul

RT: 21.26 min Scan# 1337

Delta R.T. 0.01 min

Lab File: BM001647.D

Acq: 11 Jun 2015 15:49

Instrument :

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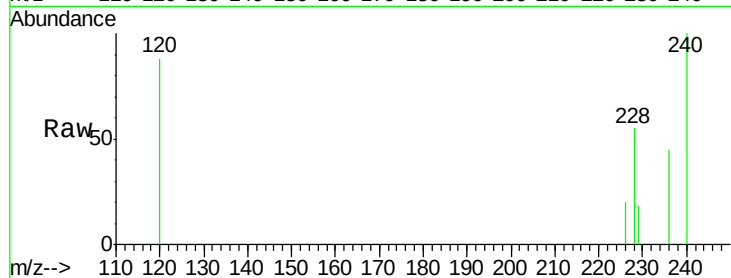
Tgt Ion:228 Resp: 424

Ion Ratio Lower Upper

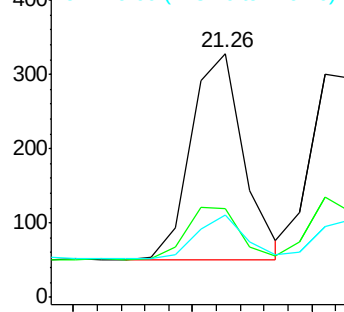
228 100

226 36.3 23.0 34.4#

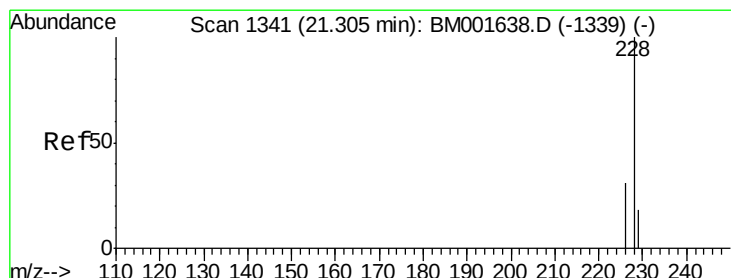
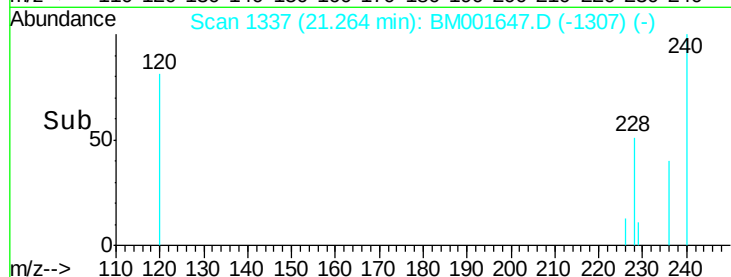
229 33.5 15.2 22.8#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time--> 21.20 21.25 21.30



#21

Chrysene

Concen: 0.03 ng/ul

RT: 21.31 min Scan# 1341

Delta R.T. -0.00 min

Lab File: BM001647.D

Acq: 11 Jun 2015 15:49

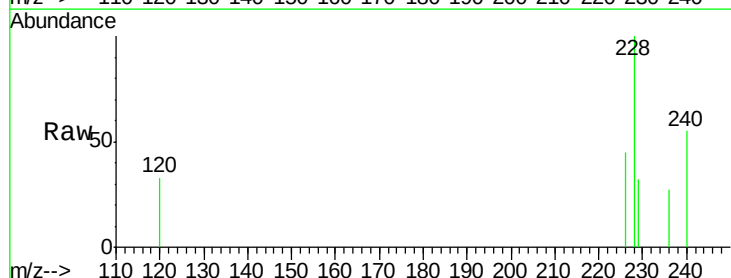
Tgt Ion:228 Resp: 439

Ion Ratio Lower Upper

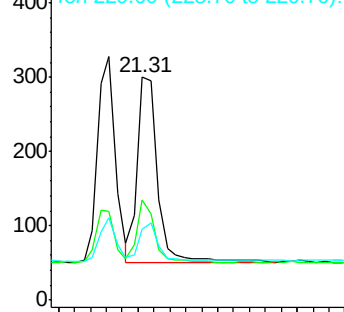
228 100

226 45.0 25.7 38.5#

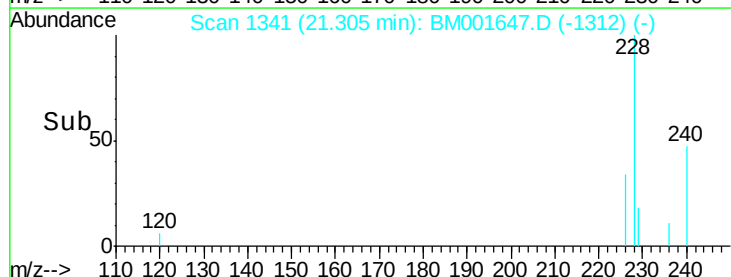
229 31.7 15.2 22.8#

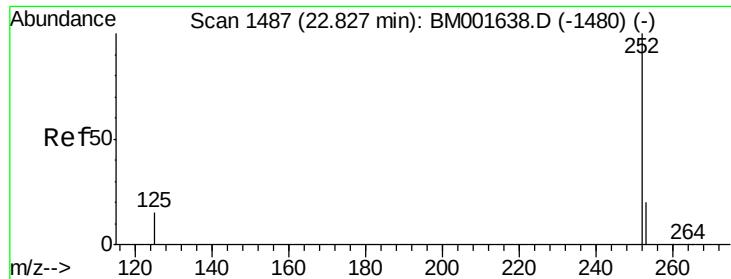


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time--> 21.20 21.30 21.40 21.50





#23

Benzo(b)fluoranthene

Concen: 0.03 ng/ul

RT: 22.84 min Scan# 1488

Delta R.T. 0.01 min

Lab File: BM001647.D

Acq: 11 Jun 2015 15:49

Instrument :

BNA_M

ClientSampleId :

SBLK66

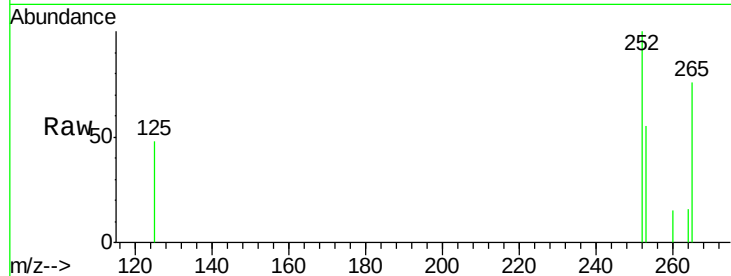
Tgt Ion:252 Resp: 469

Ion Ratio Lower Upper

252 100

253 55.5 0.0 48.0#

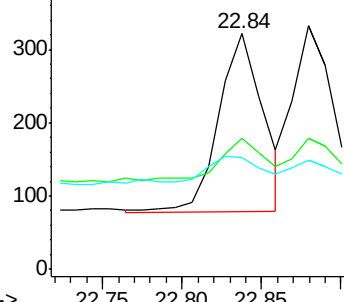
125 47.7 0.0 36.6#



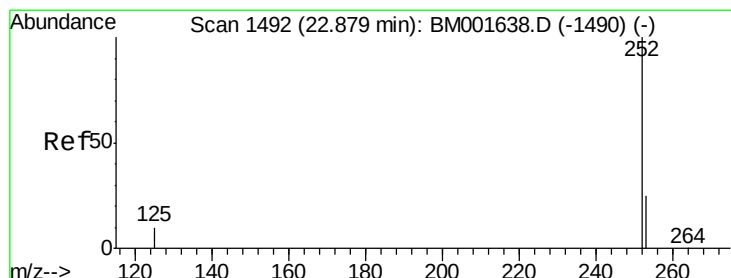
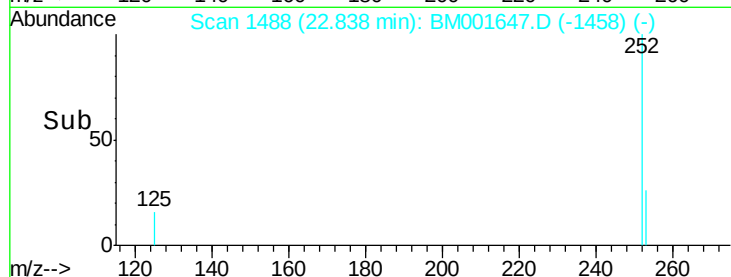
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#24

Benzo(k)fluoranthene

Concen: 0.04 ng/ul

RT: 22.88 min Scan# 1492

Delta R.T. -0.00 min

Lab File: BM001647.D

Acq: 11 Jun 2015 15:49

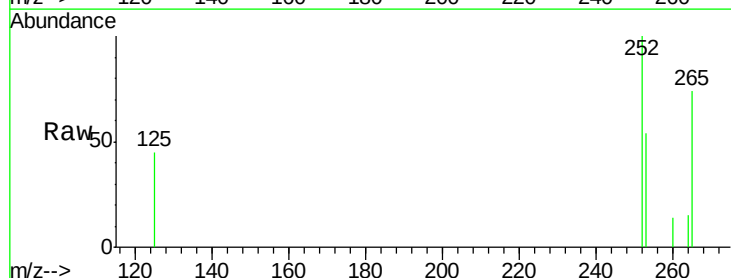
Tgt Ion:252 Resp: 517

Ion Ratio Lower Upper

252 100

253 53.9 20.8 31.2#

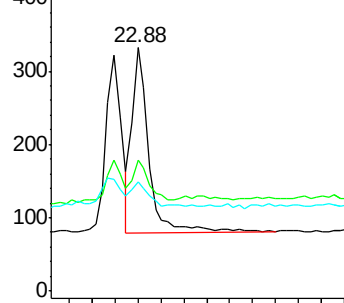
125 44.9 12.2 18.4#



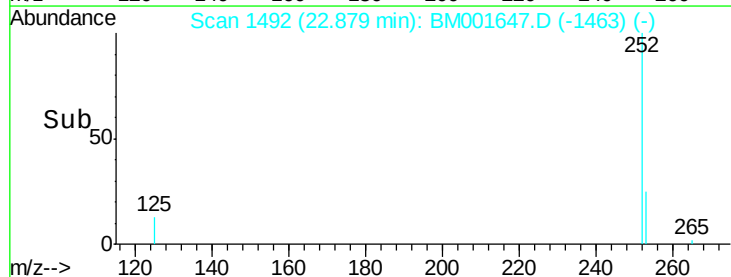
Abundance Ion 252.00 (251.70 to 252.70): E

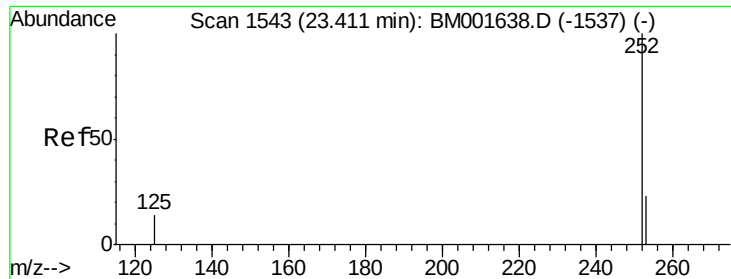
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#25

Benzo(a)pyrene

Concen: 0.03 ng/ul

RT: 23.41 min Scan# 1543

Delta R.T. -0.00 min

Lab File: BM001647.D

Acq: 11 Jun 2015 15:49

Instrument :

BNA_M

ClientSampleId :

SBLK66

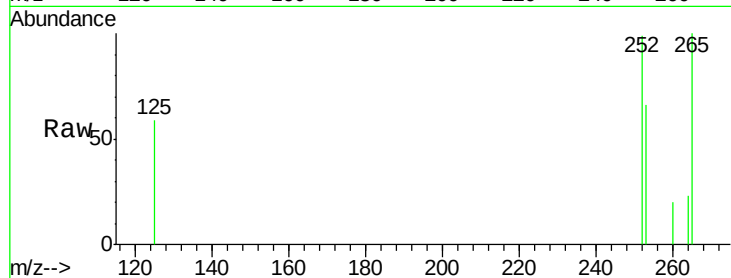
Tgt Ion:252 Resp: 360

Ion Ratio Lower Upper

252 100

253 66.7 21.8 32.8#

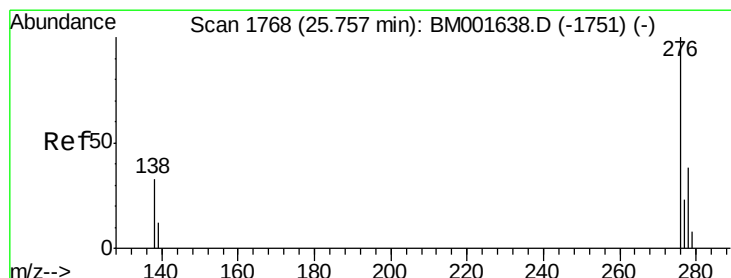
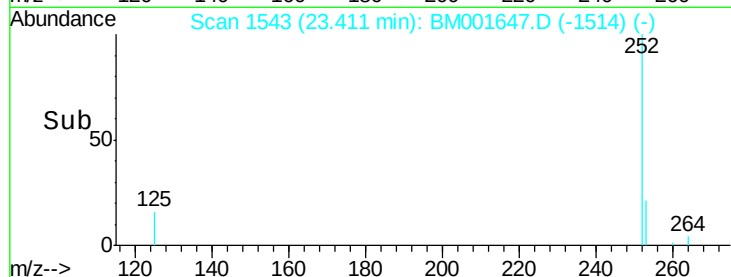
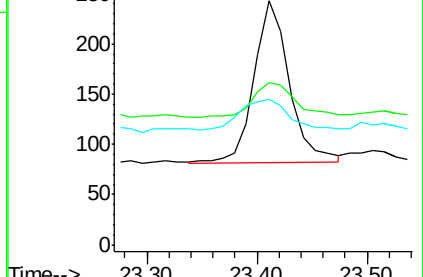
125 59.7 14.5 21.7#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.04 ng/ul

RT: 25.77 min Scan# 1769

Delta R.T. 0.01 min

Lab File: BM001647.D

Acq: 11 Jun 2015 15:49

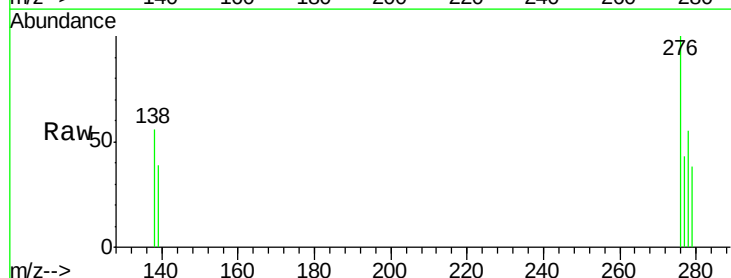
Tgt Ion:276 Resp: 640

Ion Ratio Lower Upper

276 100

138 37.5 27.5 41.3

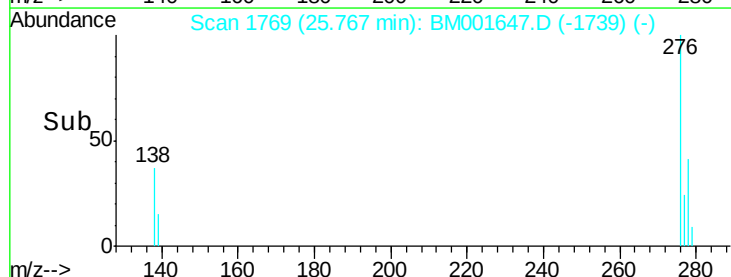
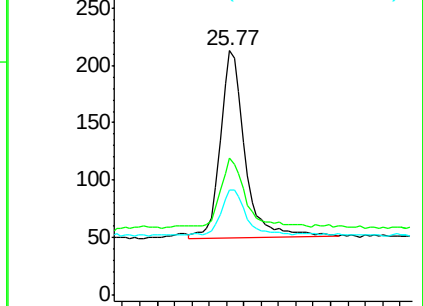
277 25.0 19.3 28.9

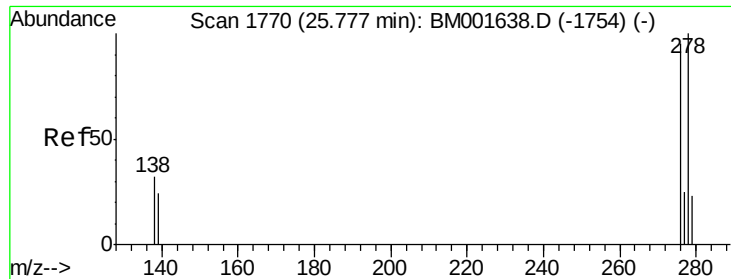


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

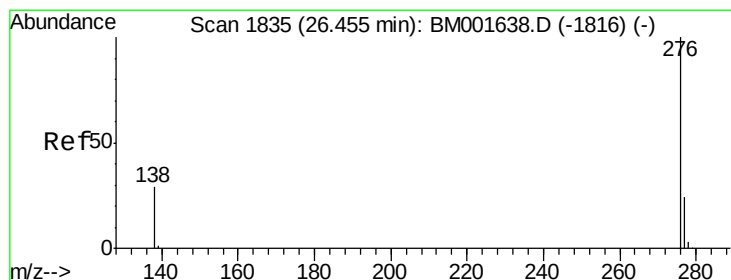
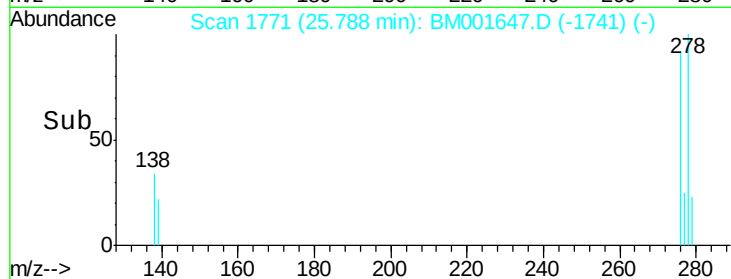
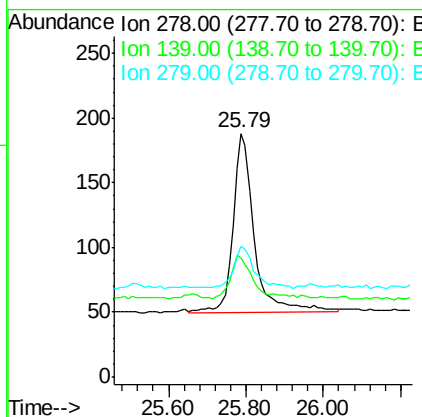
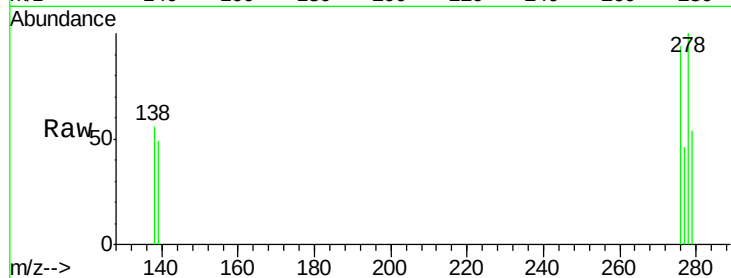




#27
Dibenzo(a,h)anthracene
Concen: 0.04 ng/ul
RT: 25.79 min Scan# 1771
Delta R.T. 0.01 min
Lab File: BM001647.D
Acq: 11 Jun 2015 15:49

Instrument :
BNA_M
ClientSampleId :
SBLK66

Tgt Ion:278 Resp: 527
Ion Ratio Lower Upper
278 100
139 48.9 21.7 32.5#
279 53.7 21.9 32.9#



#28
Benzo(g,h,i)perylene
Concen: 0.04 ng/ul
RT: 26.45 min Scan# 1835
Delta R.T. -0.00 min
Lab File: BM001647.D
Acq: 11 Jun 2015 15:49

Tgt Ion:276 Resp: 594
Ion Ratio Lower Upper
276 100
277 41.7 21.3 31.9#
138 52.1 25.5 38.3#

